

ABSTRACT OF THE INVENTION

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A light valve projection system (30) includes a plurality of resonant microcavity anodes (RMAs) (32, 42, and 52), each for emitting a respective wavelength of light and an imager device (38, 48 , and 58) for each of the plurality of resonant microcavity anodes, where each of the imager devices emits an image. The light valve projection system further includes a plurality of polarizing beam splitters (34, 44, and 54) for reflecting and redirecting the light and images from the RMAs and the imager devices. The light valve projection system may further include a combiner (40) for combining the image from each of the imager devices and a projection lens (50) for receiving a combined image from the combiner.

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